

# Reverb Usage Guide

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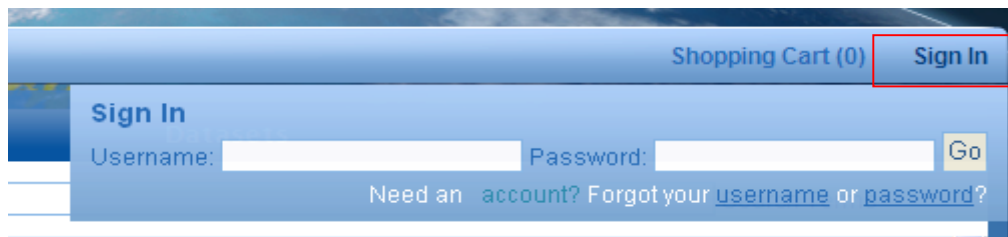
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# 1 Quick Start

The purpose of this guide is to provide steps on how to use the basic Reverb functions. The guide will cover how to Login, search using Dataset Search Terms, Granule Search, Add Item(s) to the Cart, Ordering and Bulk Downloading.

## 1.1 Login

To login to your reverb account, select 'Sign In'. Enter your username and password, and press the enter key. You are now logged into your reverb account.

A screenshot of the Reverb website's login interface. At the top right, there is a navigation bar with a 'Shopping Cart (0)' link and a 'Sign In' button, which is highlighted with a red rectangular box. Below this, on the left, is a 'Sign In' heading. To the right of the heading are two input fields: 'Username:' and 'Password:'. To the right of the 'Password:' field is a yellow 'Go' button. Below these fields is a line of text: 'Need an [account](#)? Forgot your [username](#) or [password](#)?'. The entire interface is set against a blue background with a subtle pattern.

## 1.2 Dataset Search Term

To begin your search using Dataset Search Terms, enter earth, atmosphere, ocean, or land science terms into the Text Search Box. You can also enter the dataset name or the dataset's provider. Then press the Enter key and the datasets will begin loading. Partial text matching is currently unavailable.

Datasets

ocean

Search Terms

Found 200 datasets. Total Query Time: 0.005s

<input type="checkbox"/>	ACES CONTINUOUS DATA V1	Archive Center: GHRC Short Name: aoes1cont Version: 1	<a href="#">more info</a>
<input type="checkbox"/>	ACES TRIGGERED DATA V1	Archive Center: GHRC Short Name: aoes1trig Version: 1	<a href="#">more info</a>
<input type="checkbox"/>	AIRS Level 2 Support Product V003	Archive Center: NASA/GSFC/SED/ESD/GCDC/GESDISC, NASA/GSFC/SED/ESD/GCDC/GESDISC/ACDISC Short Name: AIRX2SUP Version: 003	<a href="#">more info</a>
<input type="checkbox"/>	AIRS/Aqua FINAL AIRS Level 2 Cloud Clear Radiance Product (With HSB) V003	Archive Center: NASA/GSFC/SED/ESD/GCDC/GESDISC, NASA/GSFC/SED/ESD/GCDC/GESDISC/ACDISC Short Name: AIRH2CCF Version: 003	<a href="#">more info</a>
<input type="checkbox"/>	AIRS/Aqua FINAL AIRS Level 2 Cloud Clear Radiance Product V003	Archive Center: NASA/GSFC/SED/ESD/GCDC/GESDISC, NASA/GSFC/SED/ESD/GCDC/GESDISC/ACDISC Short Name: AIRI2CCF Version: 003	<a href="#">more info</a>
<input type="checkbox"/>	AIRS/Aqua FINAL Level 2 Products (With HSB) V003	Archive Center: NASA/GSFC/SED/ESD/GCDC/GESDISC, NASA/GSFC/SED/ESD/GCDC/GESDISC/ACDISC Short Name: AIRH2RET Version: 003	<a href="#">more info</a>
<input type="checkbox"/>	AIRS/Aqua Level 1B AMSU (A1/A2) geolocated and calibrated brightness temperatures V005	Archive Center: NASA/GSFC/SED/ESD/GCDC/GESDISC Short Name: AIRABRAD Version: 005	<a href="#">more info</a>

Search for Granules

Search for Granules by ID

Save Query

Enter Dataset Search Terms Here

### 1.3 Granule Search

Select the desired datasets and click ‘Search for Granules’.

Datasets

Search Terms

Found 2361 datasets. Total Query Time: 0.005s

☐
15 MINUTE STREAM FLOW DATA: USGS (FIFE)

Archive Center: ORNL DAAC
Short Name: 15 MINUTE STREAM FLOW DATA: USGS (FIFE)
Version: 0

more info

☐
2000 Pilot Environmental Sustainability Index (ESI)

Archive Center: SEDAC
Short Name: CIESIN\_SEDAC\_ESI\_2000
Version: 1.0

more info

☒
2001 Environmental Sustainability Index (ESI)

Archive Center: SEDAC
Short Name: CIESIN\_SEDAC\_ESI\_2001
Version: 2.0

more info

☐
2002 Environmental Sustainability Index (ESI)

Archive Center: SEDAC
Short Name: CIESIN\_SEDAC\_ESI\_2002
Version: 3.0

more info

☒
2005 Environmental Sustainability Index (ESI)

Archive Center: SEDAC
Short Name: CIESIN\_SEDAC\_ESI\_2005
Version: 4.0

more info

☐
2007 Natural Resource Management Index (NRMI)

Archive Center: SEDAC
Short Name: CIESIN\_SEDAC\_NRMI\_2007
Version: 1.0

more info

☐
2008 Environmental Performance Index (EPI)

Archive Center: SEDAC
Short Name: CIESIN\_SEDAC\_EPI\_2008
Version: 1.0

more info

☒
2008 Natural Resource Management Index (NRMI)

Archive Center: SEDAC
Short Name: CIESIN\_SEDAC\_NRMI\_2008
Version: 1.0

more info

Search for Granules

Search for Granules by ID


Save Query

granules. To see a list of individual granules for a dataset, click the dataset name under the ‘Selected Datasets’.

Search Options

[Back to Main results](#)

[More Search Options](#)


**Feedback?**  
 Tell us what you think.

Calendar

ECHO System

(SAMPLE INFO) Planned Maintenance

NSIDC National Snow and Ice Data Center

(SAMPLE INFO) Degraded Subsetting

(SAMPLE INFO) Planned Downtime

Datasets: Granules

Per page: 50 [OK](#)

Selected Datasets:

Click a dataset to view granules.

AIRS/Aqua Level 1B Visible/Near Infrared (VIS/NIR) geolocated and calibrated radiances V005

Archive Center: NASA/GSFC/SED/ESD/GCDC/GESDISC, NASA/GSFC/SED/ESD/GCDC/GESDISC/ACDISC Short Name: AIRVBRAD Version: 005 [more info](#)

AIRS/Aqua Level 1B Visible/Near Infrared (VIS/NIR) quality assurance subset V005

Archive Center: NASA/GSFC/SED/ESD/GCDC/GESDISC, NASA/GSFC/SED/ESD/GCDC/GESDISC/ACDISC Short Name: AIRVBQAP Version: 005 [more info](#)

AIRS/Aqua Level 2 Support retrieval (AIRS-only) V005

Archive Center: NASA/GSFC/SED/ESD/GCDC/GESDISC Short Name: AIRS2SUP Version: 005 [more info](#)

AIRS/Aqua Level 3 8-day CO2 in the free troposphere (AIRS+AMSU) V005

[more info](#)

Granules for: AIRS/Aqua Level 1B Visible/Near Infrared (VIS/NIR) quality assurance subset V005

1 - 50 of more than 250 [12345»](#)

Total Query Time: 110.22s

<input type="checkbox"/>	AIRVBQAP.005:AIRS.2002.08.30.240.L1B.VIS_QaSub.v5.0.0.0.G07068155735.hdf (AIRS.2002.08.30.240.L1B.VIS_QaSub.v5.0.0.0.G07068155735.hdf)	<a href="#">more info</a>
<input type="checkbox"/>	AIRVBQAP.005:AIRS.2002.08.31.001.L1B.VIS_QaSub.v5.0.0.0.G07068152410.hdf (AIRS.2002.08.31.001.L1B.VIS_QaSub.v5.0.0.0.G07068152410.hdf)	<a href="#">more info</a>
<input type="checkbox"/>	AIRVBQAP.005:AIRS.2002.08.31.002.L1B.VIS_QaSub.v5.0.0.0.G07068152411.hdf (AIRS.2002.08.31.002.L1B.VIS_QaSub.v5.0.0.0.G07068152411.hdf)	<a href="#">more info</a>
<input type="checkbox"/>	AIRVBQAP.005:AIRS.2002.08.31.003.L1B.VIS_QaSub.v5.0.0.0.G07068152411.hdf (AIRS.2002.08.31.003.L1B.VIS_QaSub.v5.0.0.0.G07068152411.hdf)	<a href="#">more info</a>
<input type="checkbox"/>	AIRVBQAP.005:AIRS.2002.08.31.004.L1B.VIS_QaSub.v5.0.0.0.G07068152408.hdf (AIRS.2002.08.31.004.L1B.VIS_QaSub.v5.0.0.0.G07068152408.hdf)	<a href="#">more info</a>
<input type="checkbox"/>	AIRVBQAP.005:AIRS.2002.08.31.012.L1B.VIS_QaSub.v5.0.0.0.G07068150757.hdf (AIRS.2002.08.31.012.L1B.VIS_QaSub.v5.0.0.0.G07068150757.hdf)	<a href="#">more info</a>
<input type="checkbox"/>	AIRVBQAP.005:AIRS.2002.08.31.013.L1B.VIS_QaSub.v5.0.0.0.G07068152032.hdf (AIRS.2002.08.31.013.L1B.VIS_QaSub.v5.0.0.0.G07068152032.hdf)	<a href="#">more info</a>
<input type="checkbox"/>	AIRVBQAP.005:AIRS.2002.08.31.014.L1B.VIS_QaSub.v5.0.0.0.G07068152328.hdf (AIRS.2002.08.31.014.L1B.VIS_QaSub.v5.0.0.0.G07068152328.hdf)	<a href="#">more info</a>
<input type="checkbox"/>	AIRVBQAP.005:AIRS.2002.08.31.015.L1B.VIS_QaSub.v5.0.0.0.G07068152330.hdf (AIRS.2002.08.31.015.L1B.VIS_QaSub.v5.0.0.0.G07068152330.hdf)	<a href="#">more info</a>

## 1.4 Add Items to Cart

To add an item to the shopping cart, after searching for granules select the item you wish to add. Click ‘Add Selected to Cart’, located at the bottom of the list of granules. A confirmation box should appear with the following message “Selected items have been added to your cart”. Once item(s) are added to the cart, you can order or download the granule(s). All granules are not orderable, some are downloadable only.

Datasets: Granules		Per page: 10	OK
CIESIN_SEDAC_ESI_2002 Ver: 3.0			
1 - 10 of more than 50		12345»	
		Total Query Time: 11.09s	
<input checked="" type="checkbox"/>	SC:MOD10A1.005:34452443 (MOD10A1.A2000055.h15v01.005.2007163004231.hdf)	<a href="#">more info</a>	
<input type="checkbox"/>	SC:MOD10A1.005:34452453 (MOD10A1.A2000055.h14v01.005.2007163003618.hdf)	<a href="#">more info</a>	
<input type="checkbox"/>	SC:MOD10A1.005:34452631 (MOD10A1.A2000055.h12v02.005.2007162231434.hdf)	<a href="#">more info</a>	
<input type="checkbox"/>	SC:MOD10A1.005:34452669 (MOD10A1.A2000055.h13v01.005.2007163002410.hdf)	<a href="#">more info</a>	
<input checked="" type="checkbox"/>	SC:MOD10A1.005:34452695 (MOD10A1.A2000055.h13v02.005.2007162230747.hdf)	<a href="#">more info</a>	
<input checked="" type="checkbox"/>	SC:MOD10A1.005:34452702 (MOD10A1.A2000055.h20v01.005.2007163001454.hdf)	<a href="#">more info</a>	
<input type="checkbox"/>	SC:MOD10A1.005:34452781 (MOD10A1.A2000055.h12v01.005.2007162234357.hdf)	<a href="#">more info</a>	
<input type="checkbox"/>	SC:MOD10A1.005:34452794 (MOD10A1.A2000055.h21v01.005.2007163001447.hdf)	<a href="#">more info</a>	
<input checked="" type="checkbox"/>	SC:MOD10A1.005:34452833 (MOD10A1.A2000055.h22v01.005.2007162235555.hdf)	<a href="#">more info</a>	
<input type="checkbox"/>	SC:MOD10A1.005:34453018 (MOD10A1.A2000055.h19v00.005.2007162232049.hdf)	<a href="#">more info</a>	
1 - 10 of more than 50		12345»	
<input type="button" value="Select All"/>		<input type="button" value="Select None"/>	
		<input type="button" value="Add Selected to Cart"/>	

## 1.5 Ordering

Some granules are orderable and can be ordered after the granules are added to the cart. From the shopping cart select the granule(s) you wish to order and click 'Order Selected'. You will then be prompted with ordering instructions based on the granule you're ordering.

Shopping Cart			
All	Item	Orderable	Downloadable
<input checked="" type="checkbox"/>	LAADS:16275662 (MYD021KM.A2002185.0000.005.2009184180051.hdf)	Yes	Yes
<input checked="" type="checkbox"/>	LAADS:16276418 (MYD021KM.A2002185.0115.005.2009192034329.hdf)	Yes	Yes
<input checked="" type="checkbox"/>	LAADS:16703186 (MYD08_M3.A2002182.005.2007157075241.hdf)	Yes	Yes
<input checked="" type="checkbox"/>	LAADS:16931001 (MYD08_M3.A2002213.005.2007157013314.hdf)	Yes	Yes
<input checked="" type="checkbox"/>	LAADS:17237257 (MYD08_M3.A2002244.005.2007157023108.hdf)	Yes	Yes
<input type="checkbox"/>	15 MINUTE STREAM FLOW DATA: USGS (FIFE) Short Name: 15 MINUTE STREAM FLOW DATA: USGS (FIFE) Version: 0	No	Yes
<input type="checkbox"/>	2001 Environmental Sustainability Index (ESI) Short Name: CIESIN_SEDAC_ESI_2001 Version: 2.0	No	Yes
<input type="checkbox"/>	2005 Environmental Sustainability Index (ESI) Short Name: CIESIN_SEDAC_ESI_2005 Version: 4.0	No	Yes
<input type="checkbox"/>	2008 Natural Resource Management Index (NRMI) Short Name: CIESIN_SEDAC_NRMI_2008 Version: 1.0	No	Yes
<input type="button" value="Remove Selected"/> <input type="button" value="Order Selected"/> <input type="button" value="Download Selected"/>			

## 1.6 Bulk Download

Some granules are downloadable and can be downloaded in bulk. From the shopping cart select the downloadable granules that you wish to download. Click 'Download Selected'.

Shopping Cart			
All	Item	Orderable	Downloadable
<input type="checkbox"/>			
<input type="checkbox"/>	LAADS:16275662 (MYD021KM.A2002185.0000.005.2009184180051.hdf)	Yes	Yes
<input type="checkbox"/>	LAADS:16276418 (MYD021KM.A2002185.0115.005.2009192034329.hdf)	Yes	Yes
<input type="checkbox"/>	LAADS:16703186 (MYD08_M3.A2002182.005.2007157075241.hdf)	Yes	Yes
<input type="checkbox"/>	LAADS:16931001 (MYD08_M3.A2002213.005.2007157013314.hdf)	Yes	Yes
<input type="checkbox"/>	LAADS:17237257 (MYD08_M3.A2002244.005.2007157023108.hdf)	Yes	Yes
<input checked="" type="checkbox"/>	15 MINUTE STREAM FLOW DATA: USGS (FIFE) Short Name: 15 MINUTE STREAM FLOW DATA: USGS (FIFE) Version: 0	No	Yes
<input checked="" type="checkbox"/>	2001 Environmental Sustainability Index (ESI) Short Name: CIESIN_SEDAC_ESI_2001 Version: 2.0	No	Yes
<input checked="" type="checkbox"/>	2005 Environmental Sustainability Index (ESI) Short Name: CIESIN_SEDAC_ESI_2005 Version: 4.0	No	Yes
<input checked="" type="checkbox"/>	2008 Natural Resource Management Index (NRMI) Short Name: CIESIN_SEDAC_NRMI_2008 Version: 1.0	No	Yes
Remove Selected		Order Selected	Download Selected

The Download Option screen should appear with instructions on how to download the granule(s).

Download Options

Online Access Type

Currently, ECHO supports direct downloads via the terminal commands `wget` or `curl`. By clicking 'Save' you will be prompted to save a file (`urls.txt`). To retrieve these urls via `wget`, type the following in a terminal in the file's directory:

```
wget -i urls.txt
```

To retrieve these urls via `curl`, type the following in a terminal in the file's directory:

```
for i in `cat urls.txt`; do curl $i -OL -s; done
```

Direct

Cancel

Save

## 2 Full Reverb Tutorial

### 2.1 Create an Account

By default you are a guest user when you enter Reverb. On the main search form you have the option of either creating a new account or logging on to an existing Reverb account.

The vast majority of the data in Reverb is available to both guest and registered users. However, some registered users may have access to restricted data that can not be searched or ordered by guest users. The data provider will add your Reverb account to their ACL (access control list) if you need access to restricted data.

Guest users are given a temporary session which is cleaned up after several hours of inactivity. If you would like for your queries, search results and shopping cart to be saved between sessions, then become a registered user by creating a Reverb account.

Note: If you already have a WIST account you do not need to reregister in Reverb. Just click on the Login link and enter your WIST username and password.

To become a registered user, click on the **Sign In** link on the front page. Then click on the **Need an account** link.

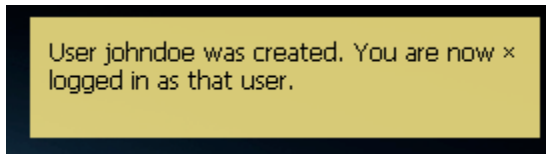




The **User Registration** form is displayed. When finished, click the **Create Account** button.

Create an Account	
<a href="#">required fields</a>	
Account Information	
<a href="#">Username</a>	<input type="text"/>
<a href="#">Password</a>	<input type="password"/> (10-40 characters, at least 3 types: uppercase, lowercase, digits, or special characters)
Password confirmation	<input type="password"/>
Contact Information	
Title	<input type="text" value="None"/>
<a href="#">First name</a>	<input type="text"/>
Middle initial	<input type="text"/>
<a href="#">Last name</a>	<input type="text"/>
<a href="#">Email</a>	<input type="text"/>
<a href="#">Organization name</a>	<input type="text"/>
<a href="#">Domain</a>	<input type="text" value="Select a domain"/>
<a href="#">Region</a>	<input type="text" value="Select a region"/>
<a href="#">Type of user</a>	<input type="text" value="Select a type"/>
<a href="#">Primary study area</a>	<input type="text" value="Select a primary study area"/>
Receive ECHO emails	<input type="checkbox"/>
Phone	
<a href="#">Number</a>	<input type="text"/>
<a href="#">Type</a>	<input type="text" value="Select type"/>
Business Address	
<a href="#">Street</a>	<input type="text"/> <input type="text"/> <input type="text"/>
<a href="#">City</a>	<input type="text"/>
Zip	<input type="text"/>
<a href="#">Country</a>	<input type="text" value="Select a country"/>
Order Preferences	
Receive order emails	<input type="text" value="Always (receive all order state changes and status)"/>
<input type="button" value="Create Account"/>	

You'll then get this confirmation screen that reports the successful creation of your account. Please record your user account name at this point. You'll need it to be able to sign in.



## **2.2 Searching**

First, let's look at an overview of the search page. The purpose of the main page is to identify datasets which are relevant to the user's criteria. The criteria that the user is entering for dataset filtering will translate into granule discovery. As filters are chosen, the dataset listing will be modified accordingly. If there's no criteria provided, then no filtering will be applied to the granule results.

Search Options

☒ Search Terms

☒ Temporal


☒ Spatial

☐ Platforms/Instruments/Sensors

☐ Campaigns

☐ Processing Levels

☐ Science Keywords


**Feedback?**  
 Tell us what you think.

Calendar

ECHO System

Planned Maintenance

NSIDC National Snow and Ice Data Center

Degraded Subsetting

Planned Downtime

Datasets

Found 2382 datasets. Total Query Time: 0.009s

<input type="checkbox"/>	15 MINUTE STREAM FLOW DATA: USGS (FIFE)	<input type="button" value="🔗"/>	<a href="#">more info</a>
	Archive Center: ORNL DAAC Short Name: 15 MINUTE STREAM FLOW DATA: USGS (FIFE) Version: 0		
<input type="checkbox"/>	2000 Pilot Environmental Sustainability Index (ESI)	<input type="button" value="🔗"/>	<a href="#">more info</a>
	Archive Center: SEDAC Short Name: CIESIN_SEDAC_ESI_2000 Version: 1.0		
<input type="checkbox"/>	2001 Environmental Sustainability Index (ESI)	<input type="button" value="🔗"/>	<a href="#">more info</a>
	Archive Center: SEDAC Short Name: CIESIN_SEDAC_ESI_2001 Version: 2.0		
<input type="checkbox"/>	2002 Environmental Sustainability Index (ESI)	<input type="button" value="🔗"/>	<a href="#">more info</a>
	Archive Center: SEDAC Short Name: CIESIN_SEDAC_ESI_2002 Version: 3.0		
<input type="checkbox"/>	2005 Environmental Sustainability Index (ESI)	<input type="button" value="🔗"/>	<a href="#">more info</a>
	Archive Center: SEDAC Short Name: CIESIN_SEDAC_ESI_2005 Version: 4.0		
<input type="checkbox"/>	2007 Natural Resource Management Index (NRFI)	<input type="button" value="🔗"/>	<a href="#">more info</a>
	Archive Center: SEDAC Short Name: CIESIN_SEDAC_NRFI_2007 Version: 1.0		
<input type="checkbox"/>	2008 Environmental Performance Index (EPI)	<input type="button" value="🔗"/>	<a href="#">more info</a>
	Archive Center: SEDAC Short Name: CIESIN_SEDAC_EPI_2008 Version: 1.0		
<input type="checkbox"/>	2008 Natural Resource Management Index (NRFI)	<input type="button" value="🔗"/>	<a href="#">more info</a>
	Archive Center: SEDAC Short Name: CIESIN_SEDAC_NRFI_2008 Version: 1.0		

Temporal Search

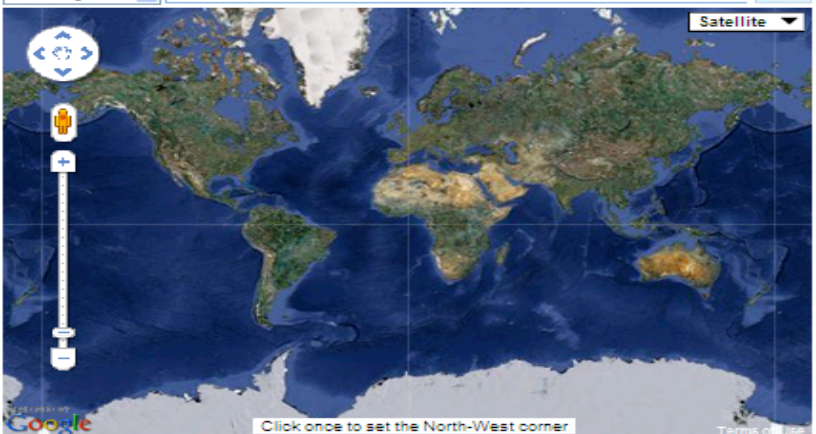
START

END

Spatial Search

Bounding Box

Clear



The Primary Data Search is initially divided into three major parts:

- 1) Search Terms & Filtered Dataset Listing
- 2) Spatial Search
- 3) Temporal Search

Users may also use the following **Search Options**:

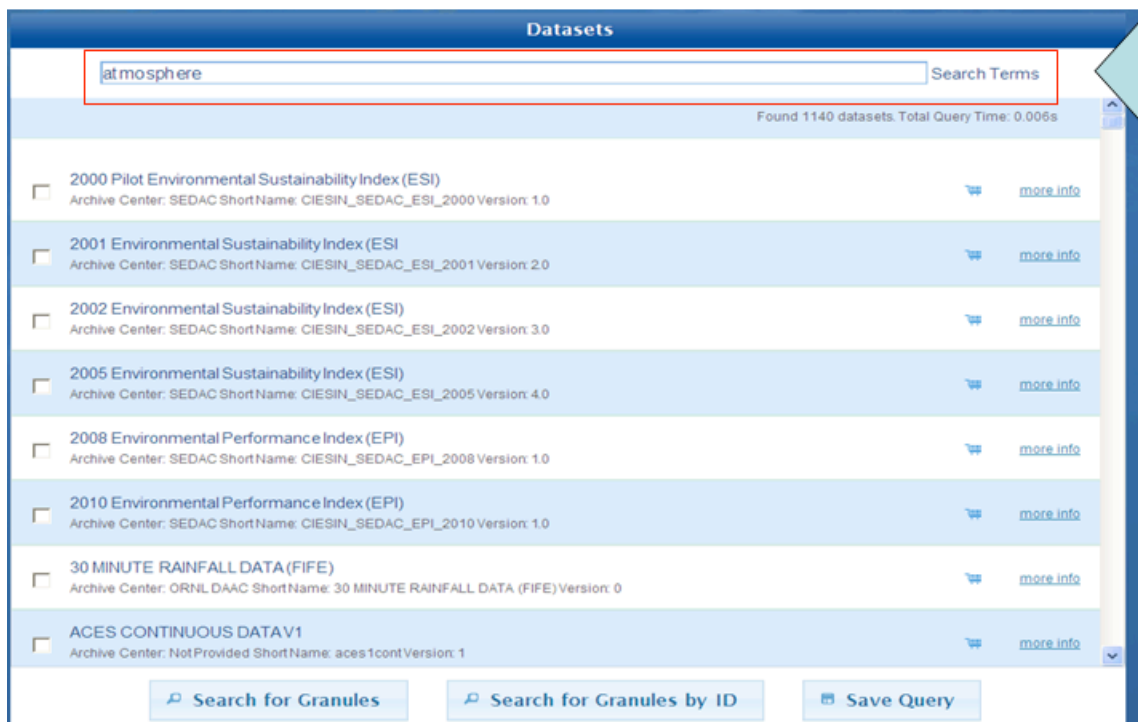
- 4) Platforms/Instruments/Sensors
- 5) Campaigns
- 6) Processing Levels
- 7) Science Keywords

## 2.2.1 Search Terms & Filtered Dataset Listing (Required)

### 2.2.1.1 Search Terms

Search terms are used to filter datasets according to the users entered text. The user's search terms are searched against targeted fields within the dataset metadata. To begin your search using **Search Terms**, enter earth, atmosphere, ocean, or land science terms into the Text Search Box. You can also enter the dataset name or the dataset's provider. Then press the Enter key. **\*Note:** Partial text matching is not currently provided.

This feature provides a quick method for identifying dataset of interest. It lists those dataset that not only have the term in their name but also those that are scientifically relevant to the term you entered.



The screenshot displays the 'Datasets' search interface. At the top, a search bar contains the text 'atmosphere' and is labeled 'Search Terms'. Below the search bar, a message indicates 'Found 1140 datasets. Total Query Time: 0.006s'. A list of datasets is shown, each with a checkbox on the left, the dataset name, the archive center, short name, and version, a 'more info' link, and a 'w' icon. The datasets listed are:

- 2000 Pilot Environmental Sustainability Index (ESI) - Archive Center: SEDAC ShortName: CIESIN\_SEDAC\_ESI\_2000 Version: 1.0
- 2001 Environmental Sustainability Index (ESI) - Archive Center: SEDAC ShortName: CIESIN\_SEDAC\_ESI\_2001 Version: 2.0
- 2002 Environmental Sustainability Index (ESI) - Archive Center: SEDAC ShortName: CIESIN\_SEDAC\_ESI\_2002 Version: 3.0
- 2005 Environmental Sustainability Index (ESI) - Archive Center: SEDAC ShortName: CIESIN\_SEDAC\_ESI\_2005 Version: 4.0
- 2008 Environmental Performance Index (EPI) - Archive Center: SEDAC ShortName: CIESIN\_SEDAC\_EPI\_2008 Version: 1.0
- 2010 Environmental Performance Index (EPI) - Archive Center: SEDAC ShortName: CIESIN\_SEDAC\_EPI\_2010 Version: 1.0
- 30 MINUTE RAINFALL DATA (FIFE) - Archive Center: ORNL DAAC ShortName: 30 MINUTE RAINFALL DATA (FIFE) Version: 0
- ACES CONTINUOUS DATA V1 - Archive Center: Not Provided ShortName: aces1cont Version: 1

At the bottom of the interface, there are three buttons: 'Search for Granules', 'Search for Granules by ID', and 'Save Query'. A large blue arrow points to the search bar, which is labeled 'Search Terms Text Field'.

### 2.2.1.2 Dataset Selection

Next to each dataset there's a check box on left side. Click the check box for each dataset you would like to search. A check mark symbol should appear in the box. If you no longer want to search a selected dataset, click the box and the check mark symbol should

disappear.

**Datasets**

Search Terms

Found 2382 datasets. Total Query Time: 0.005s

<input type="checkbox"/>	Dataset Name	Archive Center	Short Name	Version	W	more info
<input type="checkbox"/>	15 MINUTE STREAM FLOW DATA: USGS (FIFE)	ORNL DAAC	15 MINUTE STREAM FLOW DATA: USGS (FIFE)	Version: 0	W	more info
<input checked="" type="checkbox"/>	2000 Pilot Environmental Sustainability Index (ESI)	SEDAC	CIESIN_SEDAC_ESI_2000	Version: 1.0	W	more info
<input checked="" type="checkbox"/>	2001 Environmental Sustainability Index (ESI)	SEDAC	CIESIN_SEDAC_ESI_2001	Version: 2.0	W	more info
<input type="checkbox"/>	2002 Environmental Sustainability Index (ESI)	SEDAC	CIESIN_SEDAC_ESI_2002	Version: 3.0	W	more info
<input checked="" type="checkbox"/>	2005 Environmental Sustainability Index (ESI)	SEDAC	CIESIN_SEDAC_ESI_2005	Version: 4.0	W	more info
<input type="checkbox"/>	2007 Natural Resource Management Index (NRMI)	SEDAC	CIESIN_SEDAC_NRMI_2007	Version: 1.0	W	more info
<input type="checkbox"/>	2008 Environmental Performance Index (EPI)	SEDAC	CIESIN_SEDAC_EPI_2008	Version: 1.0	W	more info
<input type="checkbox"/>	2008 Natural Resource Management Index (NRMI)	SEDAC	CIESIN_SEDAC_NRMI_2008	Version: 1.0	W	more info

[Search for Granules](#) [Search for Granules by ID](#) [Save Query](#)

## 2.2.2 Spatial Search (Optional)

Select a geographic region of interest in the spatial section.

**Spatial Search**

Manually enter values into to search box here.

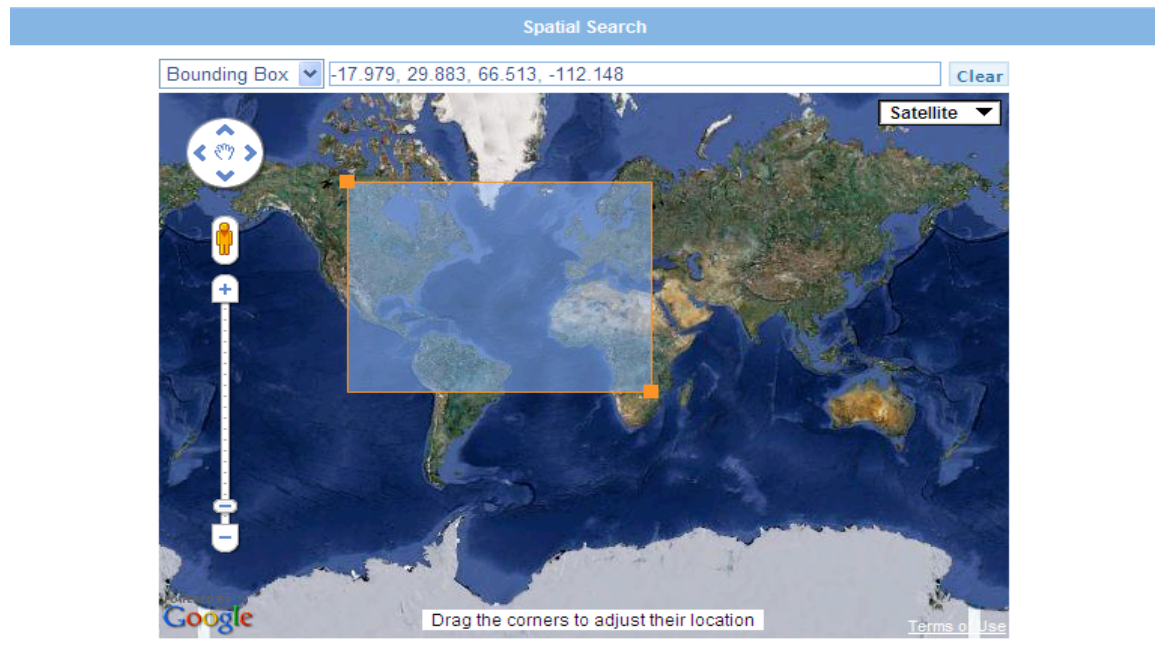
Entry Types

Map Layers

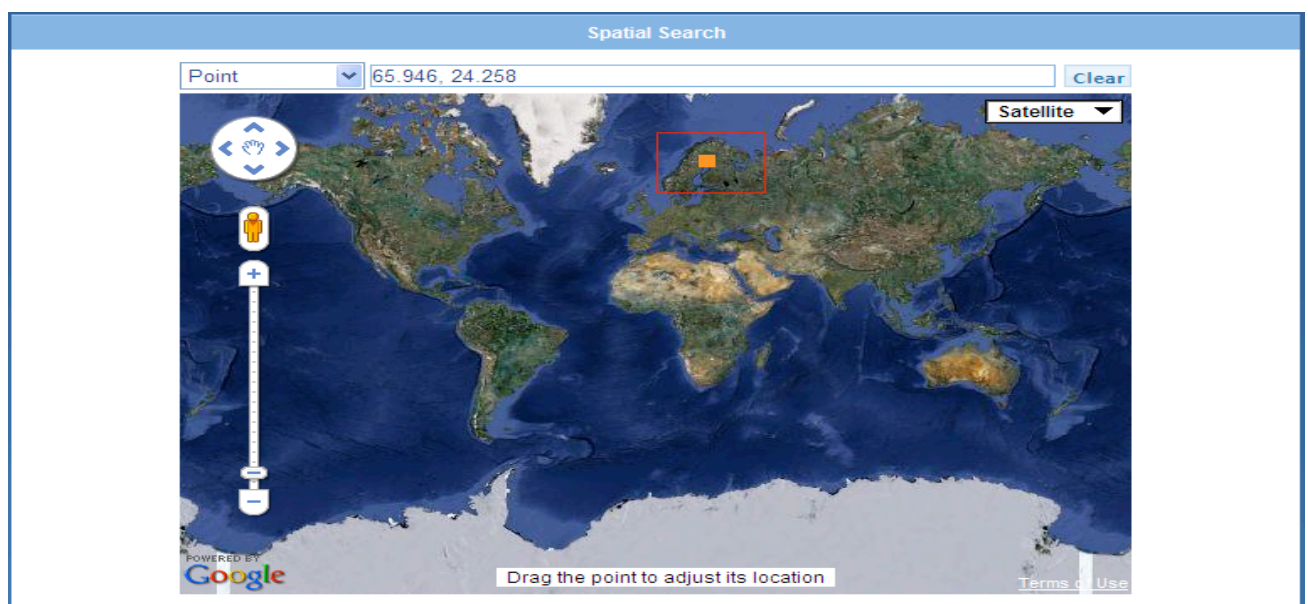
Click once to set the North-West corner

The Reverb provides several different spatial search options. They are:

1. **Bounding Box**, which allows the user to search for granules within a specific area; **Step 1:** Select **Bounding Box** from the entry type and select the map layer. **Step 2:** Click once to set the North-West corner. **Step 3:** Click again to set the South-East corner. **Step 4:** Drag the corners to adjust their location.



2. **Point**, allows the user to search for granule at a particular point. **Step 1:** Select **Point** from the entry type and select the map layer. **Step 2:** Click once to set a spatial point. **Step 3:** Drag the point to adjust its location.





3. **2D Coordinates**, The data providers may choose to utilize a 2D coordinate system, for granules. **Step 1:** Select 2D Coordinate from the entry type and the map layer. **Step 2:** Select the coordinate system. **Step 3:** Slide the boxes to set the Start and End X/Y Coordinates.

**Spatial Search**

Select 2D Coordinate → 2D Coordinate ▼ CALIPSO: 12695, 64057, 17, 133 Clear

**2D Coordinate**

Select the Coordinate System → Coordinate System ▼ CALIPSO

Slide the boxes to set the Start and End X/Y Coordinates

Start Orbit 1 ————— End Orbit 75000

Start Path 1 ————— End Path 233

12695 - 64057 Start & End Coordinates

17 - 133 Start & End Coordinates

4. **Satellite Map Search**, which is useful for selecting smaller and highly specific geographic regions;

**Spatial Search**

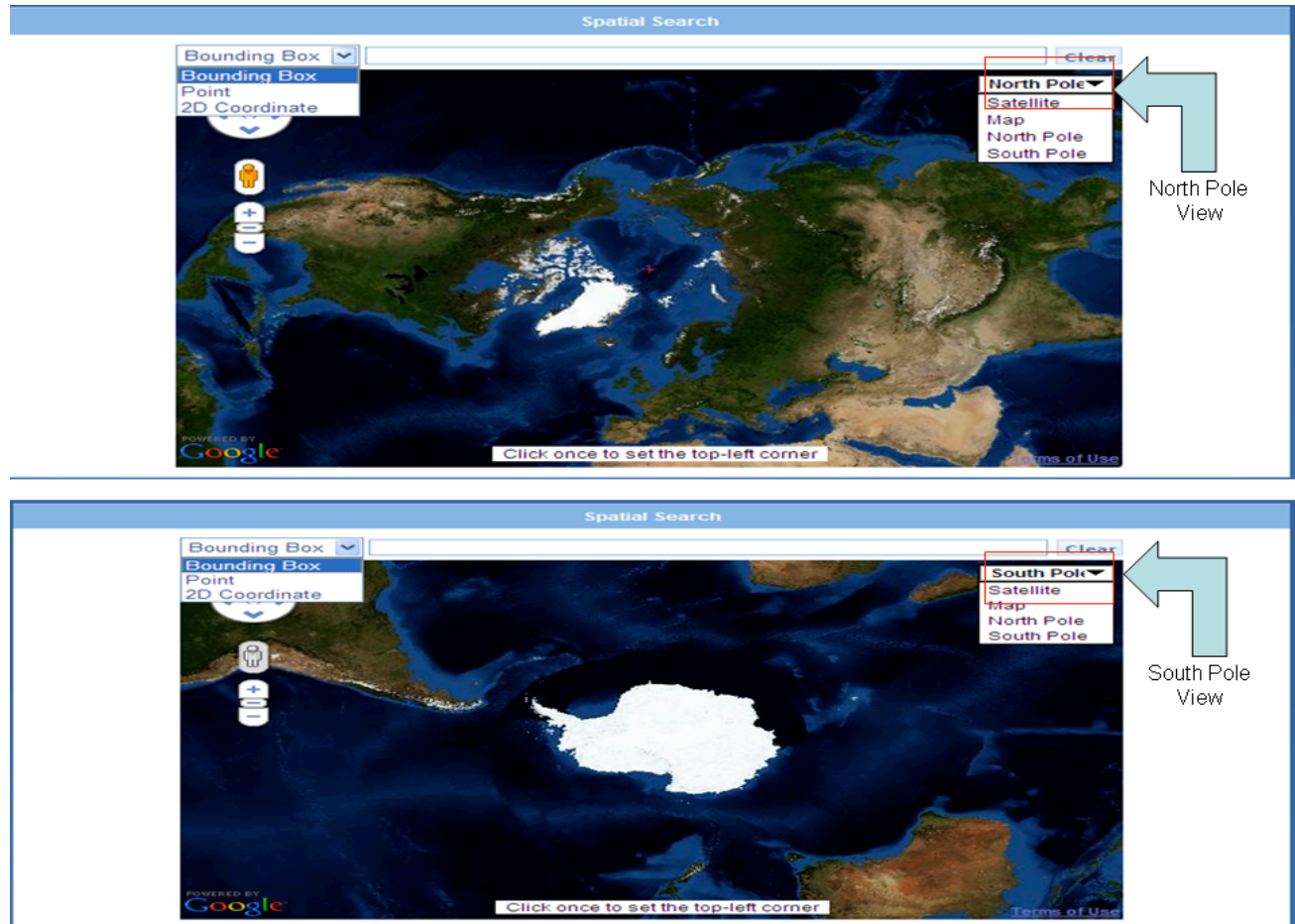
Bounding Box ▼ Bounding Box Point 2D Coordinate

Satellite ▼ Satellite Map North Pole South Pole

Satellite View

Click once to set the North-West corner

5. **Global Search**, which allows the user to receive information from all granules where the search topic is mentioned;
6. **Stereographic North and South Pole Maps**, which allow for searching over the North and South Poles, respectively and



7. **Orbit Search**, search for orbital (swath) data using various orbital parameters. (TBD)
8. The Reverb also allows the user to enter specific coordinates of a **Latitude/Longitude Range**, a **Latitude/Longitude Point** and **X/Y Coordinate Range for WRS Path/Row**.



### 2.2.3 Temporal Search (Optional)

Date and Time ranges can be entered to refine your search. Dates can be entered into the text field manually in standard date format, Julian format or by selecting from the calendar provided. The standard date format requires that the user enter year, month, and day of the month to be specified as shown below.

By clicking the text fields next to the calendar icon, a calendar and time options should appear.

The screenshot shows a 'Temporal Search' section with two input fields: 'START' and 'END'. The 'START' field contains '2011-01-03 09:33:00' and the 'END' field contains '2011-01-26 13:59:59'. A calendar and time picker is open over the 'END' field. The calendar shows January 2011, with the 26th highlighted. The time picker shows 13:59:59. A 'Julian Date' field below the calendar shows '2011-026'. A 'close' button is at the bottom right of the picker.

Select a date from the calendar; it should appear in the text field.

Adjust the time by sliding the box under each column for hour (H), minutes (M), and seconds (S).

Julian format is a 7 digit number, consisting of a 4 digit year and a 3 digit day-of-year number. (Ex. March 19, 2011 in Julian format is 2011-078)

\*Note: Datasets which have not provided a temporal range will not be included in filtered results if a temporal range is provided.

## 2.2.4 Platforms/Instruments/Sensors (Optional)

From the **Search Options**, select **Platforms/Instruments/Sensors**.

Search Options	
<input checked="" type="checkbox"/>	Search Terms
<input checked="" type="checkbox"/>	Temporal
<input checked="" type="checkbox"/>	Spatial
<input checked="" type="checkbox"/>	Platforms/Instruments/Sensors
<input type="checkbox"/>	Campaigns
<input type="checkbox"/>	Processing Levels
<input type="checkbox"/>	Science Keywords

The selection of platforms/instruments/sensors will appear at the bottom portion of the screen, underneath 'Spatial Search'. Make a selection by clicking the desired **Platform(s), Instrument(s) or Sensor(s)**. Based on the selected subset, the list will be filtered. (E.g. If you select a subset from platforms, the instruments and sensors subsets will be filtered. Selecting a subset of the filtered instruments will further filter the sensor list. Filtering also works in the opposite direction as well.) Click and drag to select more than one item. After making your final selections the datasets associated will be filtered.

Search by Platforms/Instruments/Sensors		
Click & drag to select 1 or more items. The lists are filtered based upon your selections.		
<b>Platforms (Any of 185)</b> <small>clear</small>	<b>Instruments (Any of 443)</b> <small>clear</small>	<b>Sensors (Any of 385)</b> <small>clear</small>
ACRIMSAT	2DVD	2.3UM RADIOMETER
ADEOS-II	AA	2.4UM RADIOMETER
AEM-2	AAS	2DVD
AERIAL PHOTOGRAPH	AATSR	3FP
AERIAL PHOTOGRAPHS	ACCELEROMETER	4.7UM RADIOMETER
AERO COMMANDER	ACCELEROMETERS	AA
AEROSONDE	ACRIM	AAS
AIRCRAFT	ACTIVE CAVITY RADIOMETER	AATSR
AIRSAR	AERI	ACCELEROMETER
ALTUS	AEROSOL COLLECTOR	ACR
AM-1	AEROSOL MONITOR	ACTIVE CAVITY RADIOMETER

## 2.2.5 Campaigns (Optional)

From the **Search Options**, select **Campaigns**.

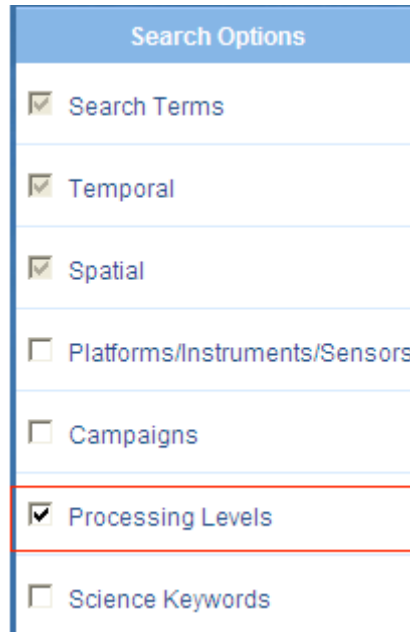
Search Options	
<input checked="" type="checkbox"/>	Search Terms
<input checked="" type="checkbox"/>	Temporal
<input checked="" type="checkbox"/>	Spatial
<input type="checkbox"/>	Platforms/Instruments/Sensors
<input checked="" type="checkbox"/>	Campaigns
<input type="checkbox"/>	Processing Levels
<input type="checkbox"/>	Science Keywords

The selection of campaigns will appear at the bottom portion of the screen, underneath ‘Spatial Search’. Make a selection by clicking on the desired Campaign. Click and drag the mouse to select more than one item. Based upon your selection the datasets associated will be filtered.

Search by Campaign	
Click & drag to select 1 or more items.	
Campaigns (Any of 194)	clear
ACES	
ACRIM	
ACRP	
AGUATECA, GUATEMALA	
ALEUTIANS, AK	
AMM-1 INTERFEROMETRIC PAIRS	
AQUA	
ATLAS	
AURA	
BARATARIA BAY, LA	
BARRIER ISLANDS, MS	

## 2.2.6 Processing Levels (Optional)

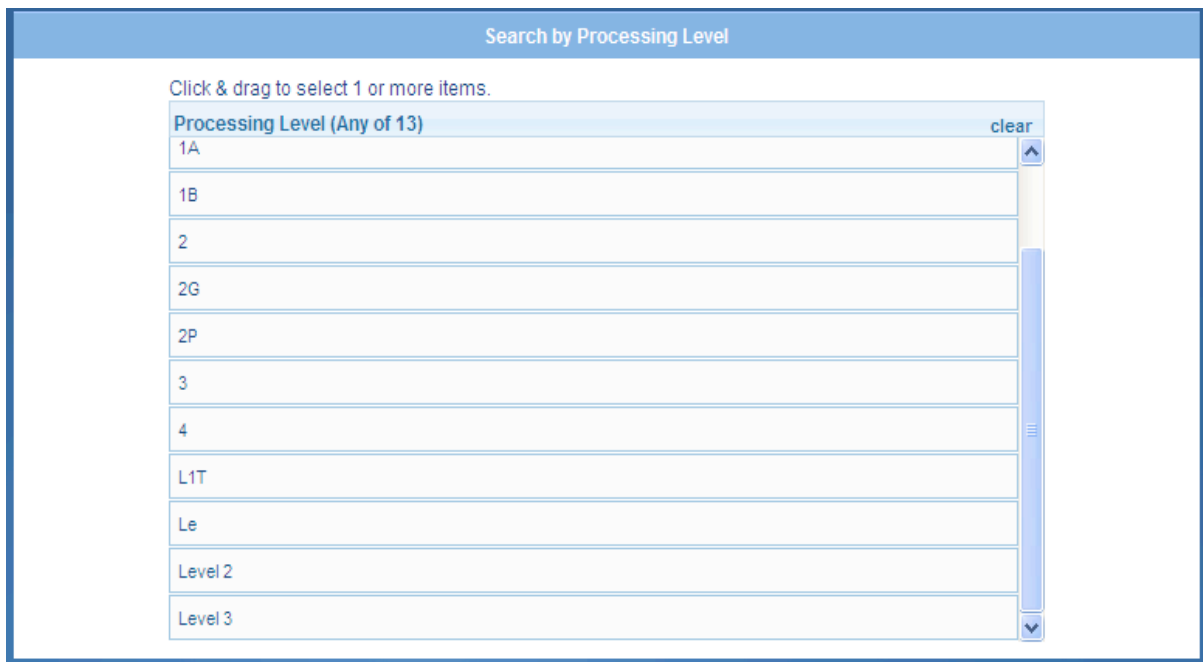
From the **Search Options**, select **Processing Levels**.



The image shows a vertical panel titled "Search Options" with a blue header. It contains seven rows, each with a checkbox and a label. The "Processing Levels" row is highlighted with a red rectangular border. The other rows are: "Search Terms" (checked), "Temporal" (checked), "Spatial" (checked), "Platforms/Instruments/Sensors" (unchecked), "Campaigns" (unchecked), and "Science Keywords" (unchecked).

Search Options	
<input checked="" type="checkbox"/>	Search Terms
<input checked="" type="checkbox"/>	Temporal
<input checked="" type="checkbox"/>	Spatial
<input type="checkbox"/>	Platforms/Instruments/Sensors
<input type="checkbox"/>	Campaigns
<input checked="" type="checkbox"/>	Processing Levels
<input type="checkbox"/>	Science Keywords

The selection of processing levels will appear at the bottom portion of the screen, underneath 'Spatial Search'. Make a selection from any of the thirteen processing levels by clicking on the desired level. Click and drag the mouse to select more than one item. Based upon your selection the datasets associated will be filtered.



The image shows a panel titled "Search by Processing Level" with a blue header. Below the header is a text prompt "Click & drag to select 1 or more items." followed by a list box. The list box has a title "Processing Level (Any of 13)" and a "clear" button. It contains thirteen items: "1A", "1B", "2", "2G", "2P", "3", "4", "L1T", "Le", "Level 2", and "Level 3". A vertical scrollbar is on the right side of the list box.

Search by Processing Level	
Click & drag to select 1 or more items.	
Processing Level (Any of 13) <span>clear</span>	
1A	
1B	
2	
2G	
2P	
3	
4	
L1T	
Le	
Level 2	
Level 3	

## 2.2.7 Science Keywords (Optional)

From the **Search Options**, select **Science Keywords**.

Search Options	
<input checked="" type="checkbox"/>	Search Terms
<input checked="" type="checkbox"/>	Temporal
<input checked="" type="checkbox"/>	Spatial
<input type="checkbox"/>	Platforms/Instruments/Sensors
<input type="checkbox"/>	Campaigns
<input type="checkbox"/>	Processing Levels
<input checked="" type="checkbox"/>	Science Keywords

The selection of science keywords will appear at the bottom portion of the screen, underneath 'Spatial Search'. Make a selection by expanding the '+' symbol next to the keyword and clicking on the desired science keyword check box. Checking a parent box checks all children boxes. Based upon your selection the datasets associated will be filtered.

Search by Science Keyword

Checking a parent box checks all children boxes.

Science Keywords

clear

List of Selected Keywords

-

☐ EARTH SCIENCE

+ ☐ AGRICULTURE

+ ☐ ATMOSPHERE

+ ☐ BIOLOGICAL CLASSIFICATION

+ ☐ BIOSPHERE

+ ☐ CLIMATE INDICATORS

+ ☐ CRYOSPHERE

+ ☐ HUMAN DIMENSIONS

+ ☐ HYDROSPHERE

+ ☐ LAND SURFACE

+ ☐ OCEANS

## 2.2.8 Search Results

Once you have made your dataset(s) selections you can Search for Granules, Search for Granules by ID or Save Queries.

**Datasets**

Search Terms

Found 2361 datasets. Total Query Time: 0.005s

Dataset Name	Archive Center	Short Name	Version	More Info
15 MINUTE STREAM FLOW DATA: USGS (FIFE)	ORNL DAAC	15 MINUTE STREAM FLOW DATA: USGS (FIFE)	Version: 0	<a href="#">more info</a>
2000 Pilot Environmental Sustainability Index (ESI)	SEDAC	CIESIN_SEDAC_ESI_2000	Version: 1.0	<a href="#">more info</a>
<input checked="" type="checkbox"/> 2001 Environmental Sustainability Index (ESI)	SEDAC	CIESIN_SEDAC_ESI_2001	Version: 2.0	<a href="#">more info</a>
2002 Environmental Sustainability Index (ESI)	SEDAC	CIESIN_SEDAC_ESI_2002	Version: 3.0	<a href="#">more info</a>
<input checked="" type="checkbox"/> 2005 Environmental Sustainability Index (ESI)	SEDAC	CIESIN_SEDAC_ESI_2005	Version: 4.0	<a href="#">more info</a>
2007 Natural Resource Management Index (NRM)	SEDAC	CIESIN_SEDAC_NRM_2007	Version: 1.0	<a href="#">more info</a>
2008 Environmental Performance Index (EPI)	SEDAC	CIESIN_SEDAC_EPI_2008	Version: 1.0	<a href="#">more info</a>
<input checked="" type="checkbox"/> 2008 Natural Resource Management Index (NRM)	SEDAC	CIESIN_SEDAC_NRM_2008	Version: 1.0	<a href="#">more info</a>

[Search for Granules](#) [Search for Granules by ID](#) [Save Query](#)

**Search for Granules:** Select the desired datasets and click **Search for Granules**. After the search is complete, the dataset listing will appear. To see a list of individual granules for a dataset, click the dataset name under the **Selected Datasets**.

**Search Options**

Back to Main results

More Search Options

Feedback? Tell us what you think.

Calendar

ECHO System

(SAMPLE INFO) Planned Maintenance

NSIDC National Snow and Ice Data Center

(SAMPLE INFO) Degraded Subsetting

(SAMPLE INFO) Planned Downtime

**Selected Datasets:**

Click a dataset to view granules.

Dataset Name	Archive Center	Short Name	Version	More Info
AIRS/Aqua Level 1B Visible/Near Infrared (VIS/NIR) geolocated and calibrated radiances V005	NASA/GSFC/SED/ESD/GCDC/GESDISC	NASA/GSFC/SED/ESD/GCDC/GESDISC/ACDISC	Version: 005	<a href="#">more info</a>
AIRS/Aqua Level 1B Visible/Near Infrared (VIS/NIR) quality assurance subset V005	NASA/GSFC/SED/ESD/GCDC/GESDISC	NASA/GSFC/SED/ESD/GCDC/GESDISC/ACDISC	Version: 005	<a href="#">more info</a>
AIRS/Aqua Level 2 Support retrieval (AIRS-only) V005	NASA/GSFC/SED/ESD/GCDC/GESDISC	NASA/GSFC/SED/ESD/GCDC/GESDISC/ACDISC	Version: 005	<a href="#">more info</a>
AIRS/Aqua Level 3 8-day CO2 in the free troposphere (AIRS+AMSU) V005	NASA/GSFC/SED/ESD/GCDC/GESDISC	NASA/GSFC/SED/ESD/GCDC/GESDISC/ACDISC	Version: 005	<a href="#">more info</a>

**Granules for: AIRS/Aqua Level 1B Visible/Near Infrared (VIS/NIR) quality assurance subset V005**

1 - 50 of more than 250

Total Query Time: 110.22s

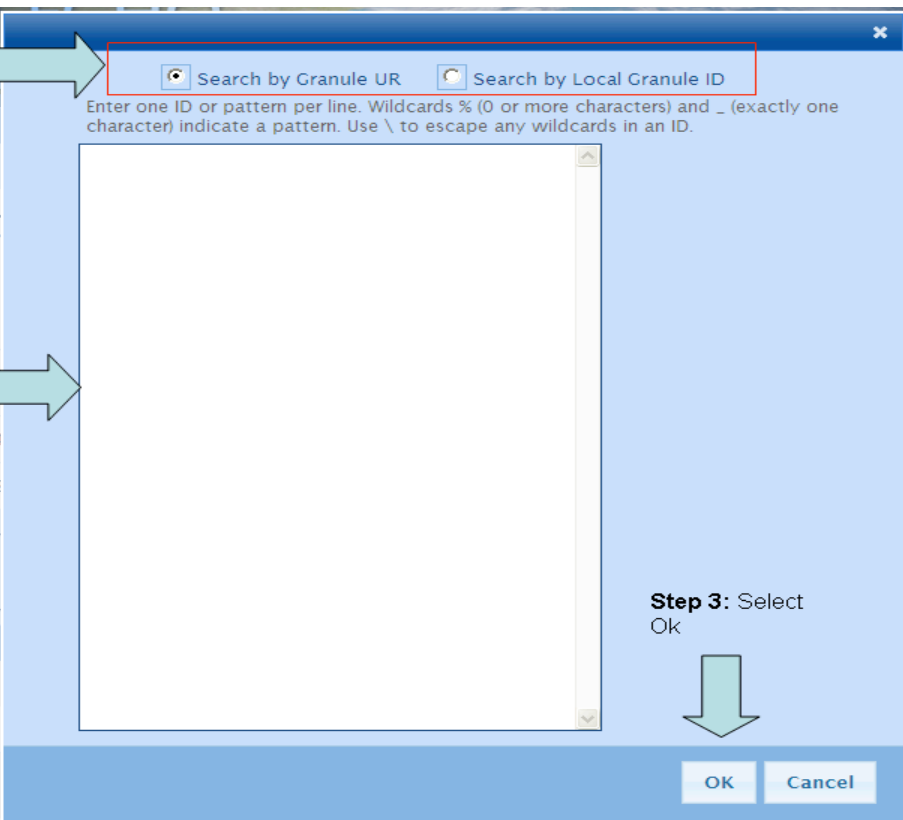
Granule Name	More Info
AIRVBQAP.005:AIRS.2002.08.30.240.L1B_VIS_QaSub.v5.0.0.0.G07068155735.hdf	<a href="#">more info</a>
AIRVBQAP.005:AIRS.2002.08.31.001.L1B_VIS_QaSub.v5.0.0.0.G07068152410.hdf	<a href="#">more info</a>
AIRVBQAP.005:AIRS.2002.08.31.002.L1B_VIS_QaSub.v5.0.0.0.G07068152411.hdf	<a href="#">more info</a>
AIRVBQAP.005:AIRS.2002.08.31.003.L1B_VIS_QaSub.v5.0.0.0.G07068152411.hdf	<a href="#">more info</a>
AIRVBQAP.005:AIRS.2002.08.31.004.L1B_VIS_QaSub.v5.0.0.0.G07068152408.hdf	<a href="#">more info</a>
AIRVBQAP.005:AIRS.2002.08.31.012.L1B_VIS_QaSub.v5.0.0.0.G07068150757.hdf	<a href="#">more info</a>
AIRVBQAP.005:AIRS.2002.08.31.013.L1B_VIS_QaSub.v5.0.0.0.G07068152032.hdf	<a href="#">more info</a>
AIRVBQAP.005:AIRS.2002.08.31.014.L1B_VIS_QaSub.v5.0.0.0.G07068152328.hdf	<a href="#">more info</a>
AIRVBQAP.005:AIRS.2002.08.31.015.L1B_VIS_QaSub.v5.0.0.0.G07068152330.hdf	<a href="#">more info</a>

**Search Granules by ID:** Select the desired datasets and click **Search for Granules by ID**. The following screen should appear.

**Step 1:** Select the appropriate radio button.

**Step 2:** Based on your selection, enter the Granule UR or Local Granule ID here.

**Step 3:** Select Ok




After selecting **OK**, the dataset listing will appear based on the Granule UR or Local Granule ID you entered.

Once the user is at the granule level (seen below), Reverb provides many features to assist in determining which items are wanted. Reverb provides many additional functions. These functions are implemented by selection of the appropriate button or link on the Granule Results screen. They include **Select All**; **Select None**, **Add Selected to Cart**, **More Search Options** and **More Info**.

Search Options

[Back to Main results](#)



Feedback?

Tell us what you think.

Calendar

ECHO System

(SAMPLE INFO) Planned Maintenance

NSIDC National Snow and Ice Data Center

(SAMPLE INFO) Degraded Subsetting

(SAMPLE INFO) Planned Downtime

Loading...

Datasets: Granules

Per page: 10

Selected Datasets:

Click a dataset to view granules.

AIRS/Aqua Level 1B Visible/Near Infrared (VIS/NIR) geolocated and calibrated radiances V005

Archive Center: NASA/GSFC/SED/ESD/GCDC/GESDISC, NASA/GSFC/SED/ESD/GCDC/GESDISC/ACDISC Short Name: AIRVBRAD Version: 005

AIRS/Aqua Level 1B Visible/Near Infrared (VIS/NIR) quality assurance subset V005

Archive Center: NASA/GSFC/SED/ESD/GCDC/GESDISC, NASA/GSFC/SED/ESD/GCDC/GESDISC/ACDISC Short Name: AIRVBQAP Version: 005

AIRS/Aqua Level 2 Support retrieval (AIRS-only) V005

Archive Center: NASA/GSFC/SED/ESD/GCDC/GESDISC Short Name: AIRS2SUP Version: 005

AIRS/Aqua Level 3 8-day CO2 in the free troposphere (AIRS+AMSU) V005

Granules for: AIRS/Aqua Level 1B Visible/Near Infrared (VIS/NIR) quality assurance subset V005

1 - 10 of more than 50

☐

AIRVBQAP.005:AIRS.2002.08.30.240.L1B.VIS\_QaSub.v5.0.0.0.G07068155735.hdf

(AIRS.2002.08.30.240.L1B.VIS\_QaSub.v5.0.0.0.G07068155735.hdf)

☐

AIRVBQAP.005:AIRS.2002.08.31.001.L1B.VIS\_QaSub.v5.0.0.0.G07068152410.hdf

(AIRS.2002.08.31.001.L1B.VIS\_QaSub.v5.0.0.0.G07068152410.hdf)

☐

AIRVBQAP.005:AIRS.2002.08.31.002.L1B.VIS\_QaSub.v5.0.0.0.G07068152411.hdf

(AIRS.2002.08.31.002.L1B.VIS\_QaSub.v5.0.0.0.G07068152411.hdf)

☐

AIRVBQAP.005:AIRS.2002.08.31.003.L1B.VIS\_QaSub.v5.0.0.0.G07068152411.hdf

(AIRS.2002.08.31.003.L1B.VIS\_QaSub.v5.0.0.0.G07068152411.hdf)

☐

AIRVBQAP.005:AIRS.2002.08.31.004.L1B.VIS\_QaSub.v5.0.0.0.G07068152408.hdf

(AIRS.2002.08.31.004.L1B.VIS\_QaSub.v5.0.0.0.G07068152408.hdf)

☐

AIRVBQAP.005:AIRS.2002.08.31.012.L1B.VIS\_QaSub.v5.0.0.0.G07068150757.hdf

(AIRS.2002.08.31.012.L1B.VIS\_QaSub.v5.0.0.0.G07068150757.hdf)

☐

AIRVBQAP.005:AIRS.2002.08.31.013.L1B.VIS\_QaSub.v5.0.0.0.G07068152032.hdf

(AIRS.2002.08.31.013.L1B.VIS\_QaSub.v5.0.0.0.G07068152032.hdf)

☐

AIRVBQAP.005:AIRS.2002.08.31.014.L1B.VIS\_QaSub.v5.0.0.0.G07068152328.hdf

(AIRS.2002.08.31.014.L1B.VIS\_QaSub.v5.0.0.0.G07068152328.hdf)

☐

AIRVBQAP.005:AIRS.2002.08.31.015.L1B.VIS\_QaSub.v5.0.0.0.G07068152330.hdf

(AIRS.2002.08.31.015.L1B.VIS\_QaSub.v5.0.0.0.G07068152330.hdf)

☐

AIRVBQAP.005:AIRS.2002.08.31.016.L1B.VIS\_QaSub.v5.0.0.0.G07068152341.hdf

(AIRS.2002.08.31.016.L1B.VIS\_QaSub.v5.0.0.0.G07068152341.hdf)

1 - 10 of more than 50

Select All

Select None

Add Selected to Cart



**More Search Options: 'AIRS/Aqua Level 1B Visible/Near Infrared (VIS/NIR) quality assurance subset V005'** ✕

**Day/Night Flag**

Find granules captured during the day, night or anytime.

**Flag**

**Data Access**

Find granules that have browse images.

**Browse Images** ☐ only granules with browse images

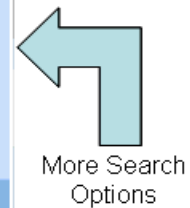
Find granules that are available online.

**Online Access** ☐ only granules with online access

**Cloud Cover**

Find granules by cloud cover percentage.

**Percentage:**  (Example: 1..2)  
Enter Range



**Dataset Information** ✕

## 2005 Environmental Sustainability Index (ESI)

**Archive Center:** SEDAC

**ShortName:** CIESIN\_SEDAC\_ESI\_2005

**Version:** 4.0

**Description:** The 2005 Environmental Sustainability Index (ESI) is a measure of overall progress towards environmental sustainability, developed for 146 countries. The index provides a composite profile of national environmental stewardship based on a compilation of 21 indicators derived from 76 underlying datasets. The 2005 version of the ESI represents a significant update and improvement on earlier versions; the country ESI scores or rankings should not be compared to earlier versions because of changes to the methodology and underlying data. The index was unveiled at the World Economic Forum's annual meeting, January 2005, Davos, Switzerland. The 2005 ESI is a joint product of the Yale Center for Environmental Law and Policy (YCELP) and the Columbia University Center for International Earth Science Information Network (CIESIN), in collaboration with the World Economic Forum (WEF) and the Joint Research Centre (JRC), European Commission.

**Spatial Extent:** Bounding Rectangle: (90.0, -180.0, -55.0, 180.0)

**Temporal Extent:** 1980-01-01T00:00:00+00:00 to 2000-12-31T00:00:00+00:00

**Online Access:** <http://sedac.ciesin.columbia.edu/es/esi/ESI2005.pdf>  
[http://sedac.ciesin.columbia.edu/es/esi/ESI2005\\_policysummary.pdf](http://sedac.ciesin.columbia.edu/es/esi/ESI2005_policysummary.pdf)  
[http://sedac.ciesin.columbia.edu/es/esi/b\\_countryprofiles.pdf](http://sedac.ciesin.columbia.edu/es/esi/b_countryprofiles.pdf)

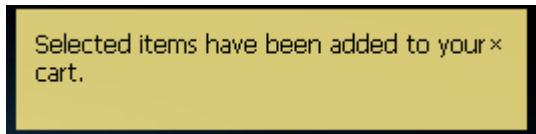


## 2.3 Ordering

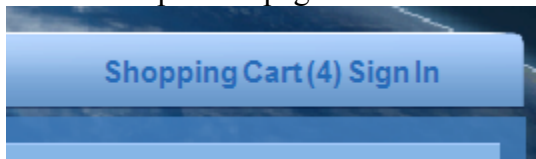
To order a granule, click in the box of the granule you wish to order and click **Add Selected to Cart**. \*Note: All granules are not orderable. Some granules may be downloadable only.

Datasets: Granules		Per page: 10	OK
CIESIN_SEDAC_ESI_2002 Ver: 3.0			
1 - 10 of more than 50		12345»	
		Total Query Time: 11.09s	
<input checked="" type="checkbox"/>	SC:MOD10A1.005:34452443 (MOD10A1.A2000055.h15v01.005.2007163004231.hdf)	<a href="#">more info</a>	
<input type="checkbox"/>	SC:MOD10A1.005:34452453 (MOD10A1.A2000055.h14v01.005.2007163003618.hdf)	<a href="#">more info</a>	
<input type="checkbox"/>	SC:MOD10A1.005:34452631 (MOD10A1.A2000055.h12v02.005.2007162231434.hdf)	<a href="#">more info</a>	
<input type="checkbox"/>	SC:MOD10A1.005:34452669 (MOD10A1.A2000055.h13v01.005.2007163002410.hdf)	<a href="#">more info</a>	
<input checked="" type="checkbox"/>	SC:MOD10A1.005:34452695 (MOD10A1.A2000055.h13v02.005.2007162230747.hdf)	<a href="#">more info</a>	
<input checked="" type="checkbox"/>	SC:MOD10A1.005:34452702 (MOD10A1.A2000055.h20v01.005.2007163001454.hdf)	<a href="#">more info</a>	
<input type="checkbox"/>	SC:MOD10A1.005:34452781 (MOD10A1.A2000055.h12v01.005.2007162234357.hdf)	<a href="#">more info</a>	
<input type="checkbox"/>	SC:MOD10A1.005:34452794 (MOD10A1.A2000055.h21v01.005.2007163001447.hdf)	<a href="#">more info</a>	
<input checked="" type="checkbox"/>	SC:MOD10A1.005:34452833 (MOD10A1.A2000055.h22v01.005.2007162235555.hdf)	<a href="#">more info</a>	
<input type="checkbox"/>	SC:MOD10A1.005:34453018 (MOD10A1.A2000055.h19v00.005.2007162232049.hdf)	<a href="#">more info</a>	
1 - 10 of more than 50		12345»	
<input type="button" value="Select All"/>		<input type="button" value="Select None"/>	<input type="button" value="Add Selected to Cart"/>

A confirmation box should appear with the following message “Selected items have been added to your cart”.



Go to the top of the page and click the **Shopping Cart** button.



From the **Shopping Cart**: Click the granule(s) you wish to order and click the **Order Selected**.

Shopping Cart			
All <input type="checkbox"/>	Item	Orderable	Downloadable
<input checked="" type="checkbox"/>	LAADS:16275662 (MYD021KM.A2002185.0000.005.2009184180051.hdf)	Yes	Yes
<input checked="" type="checkbox"/>	LAADS:16276418 (MYD021KM.A2002185.0115.005.2009192034329.hdf)	Yes	Yes
<input checked="" type="checkbox"/>	LAADS:16703186 (MYD08_M3.A2002182.005.2007157075241.hdf)	Yes	Yes
<input checked="" type="checkbox"/>	LAADS:16931001 (MYD08_M3.A2002213.005.2007157013314.hdf)	Yes	Yes
<input checked="" type="checkbox"/>	LAADS:17237257 (MYD08_M3.A2002244.005.2007157023108.hdf)	Yes	Yes
<input type="checkbox"/>	15 MINUTE STREAM FLOW DATA: USGS (FIFE) Short Name: 15 MINUTE STREAM FLOW DATA: USGS (FIFE) Version: 0	No	Yes
<input type="checkbox"/>	2001 Environmental Sustainability Index (ESI) Short Name: CIESIN_SEDAC_ESI_2001 Version: 2.0	No	Yes
<input type="checkbox"/>	2005 Environmental Sustainability Index (ESI) Short Name: CIESIN_SEDAC_ESI_2005 Version: 4.0	No	Yes
<input type="checkbox"/>	2008 Natural Resource Management Index (NRM) Short Name: CIESIN_SEDAC_NRMI_2008 Version: 1.0	No	Yes
<div> Remove Selected Order Selected Download Selected </div>			

## Step 1: Order Contents

The data provider distributing the granules you are interested in may require that you enter specific order information (i.e. "Order Options"). Choose the Order Options for the granule by making a selection from the combo box under each granule.

Order Contents (Cancel Order)

Order Contents > Contact Information > Review Order > Submit Order > Order Receipt

Proceed →

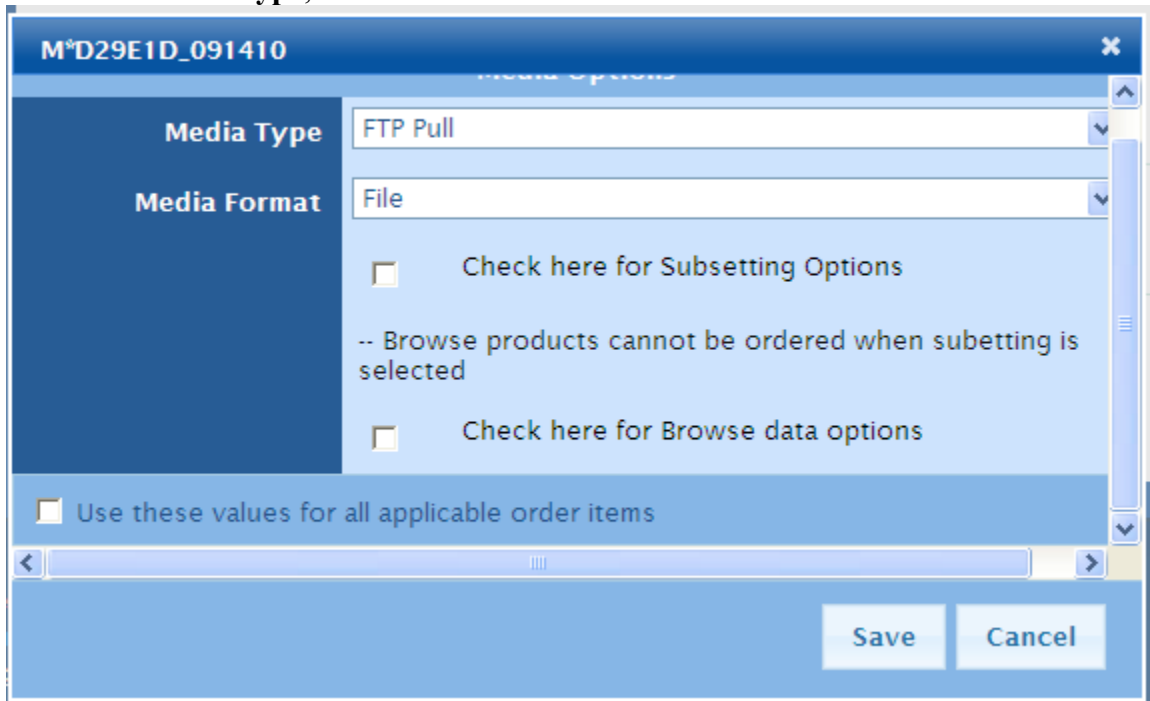
All <input type="checkbox"/>	Item	Order Options
<input type="checkbox"/>	aces1efm_2002.242_v2.50.tar	Order Options (Not Set and Required): GHRC_ECHO_FtpPull_v1 set
<input type="checkbox"/>	aces1efm_2002.227_v2.50.tar	Order Options (Not Set and Required): GHRC_ECHO_FtpPull_v1 set
<input type="checkbox"/>	aces1efm_2002.216_v2.50.tar	Order Options (Not Set and Required): GHRC_ECHO_FtpPull_v1 set

Remove Selected

Proceed →

After you choose the **Order Option** click the **Set** button to apply this choice. After clicking **Set**, the **Order Options** should appear.

Select the **Media Type**, the **Media Format** and click the **Save** button.



The screenshot shows a dialog box titled "M\*D29E1D\_091410" with a close button (X) in the top right corner. The dialog is divided into two main sections: "Media Type" and "Media Format". The "Media Type" dropdown menu is set to "FTP Pull". The "Media Format" dropdown menu is set to "File". Below these dropdowns, there are two checkboxes with associated text: the first checkbox is unchecked and labeled "Check here for Subsetting Options", followed by the text "-- Browse products cannot be ordered when subsetting is selected"; the second checkbox is also unchecked and labeled "Check here for Browse data options". At the bottom of the dialog, there is a checkbox labeled "Use these values for all applicable order items", which is currently unchecked. Below this checkbox is a horizontal scrollbar. At the bottom right of the dialog, there are two buttons: "Save" and "Cancel".

Before saving you can select "Use these values for all applicable order items" to avoid repeating the process for applicable order items. After saving your **Media Options** you will return to the **Order Content** page. If needed repeat the process for any remaining granules, when finished click **Proceed**.

## Step 2: Order Form

As a guest, you will need to complete the following **Order Form** and click **Proceed**. As a registered user, your information will be automatically populated.

Contact Information <a href="#">Cancel Order</a>	
Order Contents > Contact Information > Review Order > Submit Order > Order Receipt	
<div>← Back</div> <div>Proceed →</div>	
<a href="#">required fields</a>	
General Usage	
Domain	Other
Region	USA
Order Contact	
Title	Ms.
First name	Jane
Middle initial	
Last name	Smith
Email	janesmith@yahoo.com
Organization	
Phone	
Number	301-555-5555
Type	Business
Address	
Street	123 West River St.
City	Riverdale
State	
Zip	20737
Country	United States
Shipping Contact	
Same as above	<input checked="" type="checkbox"/>
Billing Contact	
Same as above	<input checked="" type="checkbox"/>
<div>← Back</div> <div>Proceed →</div>	

### Step 3: Review Order

Review your order and ensure that the information entered is correct. After reviewing, click **Proceed**.

Review Order [Cancel Order](#)

Order Contents > Contact Information > Review Order > Submit Order > Order Receipt

← Back

Proceed →

Order Information

Number of order items:  
8

User Information

User domain:  
Other

User region:  
USA

Order Contact

Name:  
Ms. Jane Smith

Email:  
janesmith@yahoo.com

Organization:

Business phone number:  
301-555-5555

Address (US format):  
123 West River St  
Riverdale, MD 20737  
United States

Shipping Contact

Same as above

Billing Contact

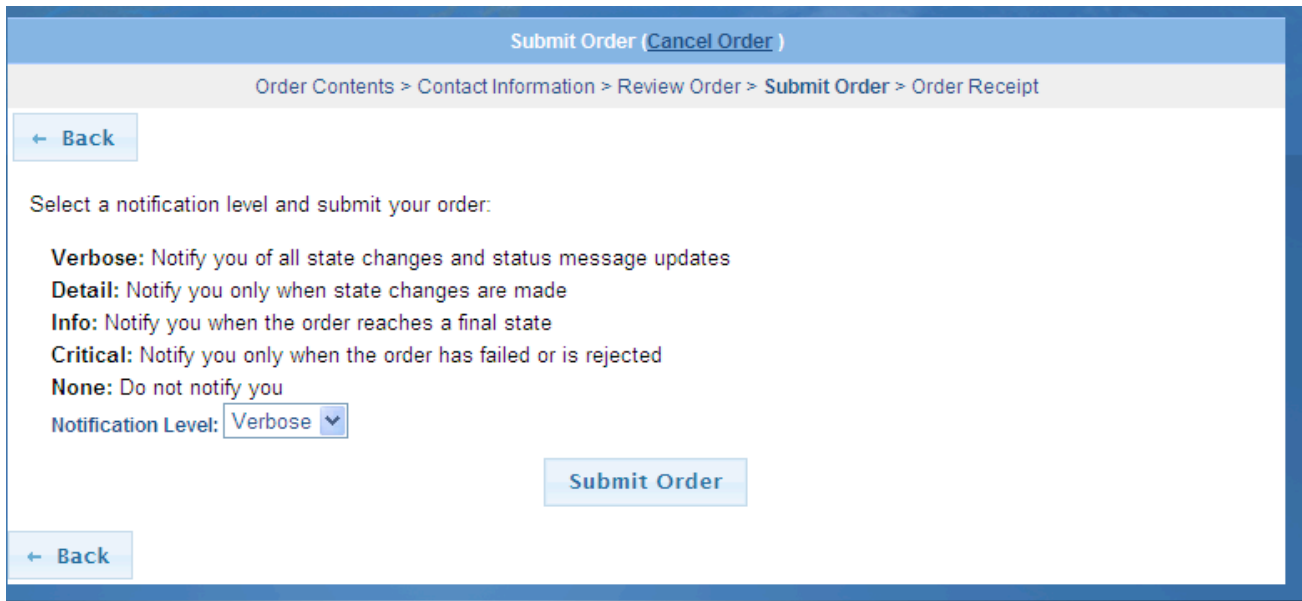
Same as above

← Back

Proceed →

## Step 4: Submit Order

Select the **Notification Level** and click the **Submit Order** button.



The screenshot shows a web interface for submitting an order. At the top, there is a blue header bar with the text "Submit Order (Cancel Order)". Below this is a light gray breadcrumb trail: "Order Contents > Contact Information > Review Order > Submit Order > Order Receipt". On the left side, there is a blue button with a left arrow and the text "Back". The main content area contains the instruction "Select a notification level and submit your order:". Below this, there are five notification level options: "Verbose: Notify you of all state changes and status message updates", "Detail: Notify you only when state changes are made", "Info: Notify you when the order reaches a final state", "Critical: Notify you only when the order has failed or is rejected", and "None: Do not notify you". Below these options is a label "Notification Level:" followed by a dropdown menu currently set to "Verbose". To the right of the dropdown is a blue button labeled "Submit Order". At the bottom left of the form area, there is another blue button with a left arrow and the text "Back".

## Step 5: Order Receipt

After submitting your order an **Order Receipt** page should appear. Your order has now been placed with the appropriate data centers. You will also receive an email confirming the receipt of your order from the Reverb system.



The screenshot shows the "Order Receipt" page. At the top, there is a blue header bar with the text "Order Receipt". Below this is a light gray breadcrumb trail: "Order Contents > Contact Information > Review Order > Submit Order > Order Receipt". The main content area starts with the text "Your submitted order information is as follows,". Below this, there are three sections separated by horizontal lines: "Order ID:" followed by the value "5CFA8B6B-4DD9-E4BF-7A85-577F4AA69EA8", "Order status:" followed by the value "SUBMITTING", and "Submitted on:" followed by the value "Wed Feb 16 13:26:01 UTC 2011". Below these sections, there is a paragraph of text: "You will be sent an email to the address **janesmith@yahoo.com** with further information." followed by another paragraph: "The amount of information you receive will be dictated by the notification level of **INFO** that you selected when submitting the order."

## 2.4 Downloading

ECHO supports direct downloads via the terminal commands `wget` or `curl`.

From the **Shopping Cart**: Select the granules that you wish to download and click **Download Selected**.

Shopping Cart			
All <input type="checkbox"/>	Item	Orderable	Downloadable
<input type="checkbox"/>	LAADS:16275662 (MYD021KM.A2002185.0000.005.2009184180051.hdf)	Yes	Yes
<input type="checkbox"/>	LAADS:16276418 (MYD021KM.A2002185.0115.005.2009192034329.hdf)	Yes	Yes
<input type="checkbox"/>	LAADS:16703186 (MYD08_M3.A2002182.005.2007157075241.hdf)	Yes	Yes
<input type="checkbox"/>	LAADS:16931001 (MYD08_M3.A2002213.005.2007157013314.hdf)	Yes	Yes
<input type="checkbox"/>	LAADS:17237257 (MYD08_M3.A2002244.005.2007157023108.hdf)	Yes	Yes
<input checked="" type="checkbox"/>	15 MINUTE STREAM FLOW DATA: USGS (FIFE) Short Name: 15 MINUTE STREAM FLOW DATA: USGS (FIFE) Version: 0	No	Yes
<input checked="" type="checkbox"/>	2001 Environmental Sustainability Index (ESI) Short Name: CIESIN_SEDAC_ESI_2001 Version: 2.0	No	Yes
<input checked="" type="checkbox"/>	2005 Environmental Sustainability Index (ESI) Short Name: CIESIN_SEDAC_ESI_2005 Version: 4.0	No	Yes
<input checked="" type="checkbox"/>	2008 Natural Resource Management Index (NRMI) Short Name: CIESIN_SEDAC_NRMI_2008 Version: 1.0	No	Yes
<div>Remove Selected Order Selected Download Selected</div>			

The following **Download Option** screen should appear:

Download Options

Online Access Type

Currently, ECHO supports direct downloads via the terminal commands `wget` or `curl`. By clicking 'Save' you will be prompted to save a file (`urls.txt`). To retrieve these urls via `wget`, type the following in a terminal in the file's directory:

```
wget -i urls.txt
```

To retrieve these urls via `curl`, type the following in a terminal in the file's directory:

```
for i in `cat urls.txt`; do curl $i -OL -s; done
```

Direct

Cancel

Save



**Step 1:** Save a file

Click the save button. You will be prompted to save a file (urls.txt)

**Step 2:** Retrieve urls

To retrieve the urls via wget, type the following in a terminal in the file's directory:

```
wget -i urls.txt
```

To retrieve the urls via curls, type the following in a terminal in the file's directory:

```
for i in `cat urls.txt`; do curl $i -OL -s; done
```